

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent No. : **7,047,416**  
Issued: : **May 16, 2006**  
Applicant : **Wheeler, et al.**  
Title : **Account-Based Digital Signature (ABDS) System**

Confirmation No. : **2029**  
TC/AU : **2132**  
Examiner : **Kambiz Zand**

Docket No. : **34250-1033**  
Customer No. : **29052**

**SUBSTITUTE POWER OF ATTORNEY  
AND CHANGE OF CORRESPONDENCE ADDRESS**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

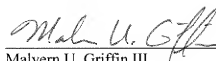
Sir:

Please find attached hereto a Power of Attorney, Change of Correspondence Address, and Statement Under 37 C.F.R. §3.73(b). By these documents, the assignee of record **REVOKES** any and all powers of attorney previously given in the above-identified patent, and **APPOINTS** the practitioners associated with Customer Number **29052** to transact all business in the U.S. Patent and Trademark Office connected therewith.

Further, please change the attorney docketing number for this case to **34250-1033**.

If you have any questions or if there are any problems with processing this request,  
please contact me at your earliest convenience.

Respectfully submitted,

  
Malvern U. Griffin III  
Reg. No. 38,899

**Date: June 13, 2008**

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Attorney Docket No. **34250-1033**

**PATENT**

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**CHANGE OF CORRESPONDENCE ADDRESS (Patent)**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please change the Correspondence Address for the above-identified patent to:

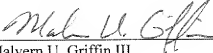
**Malvern U. Griffin III**  
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I am the:

- ☐ Applicant/Inventor
- ☐ Assignee of record of the entire interest.  
Statement under 37 CFR 3.73(b) is enclosed.
- ☒ Attorney or agent of record. Registration Number 38,899
- ☐ Registered practitioner named in the application transmittal letter in an application  
without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration  
Number \_\_\_\_\_

Respectfully submitted,

  
\_\_\_\_\_  
Malvern U. Griffin III  
Reg. No. 38,899

**Date: June 13, 2008**

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Telephone: (404) 853-8000  
Facsimile: (404) 853-8806

**Attorney Docket No. 34250-1033**

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Wheeler, et al.

Serial No./Patent No.: 7,047,416 Filed/Issue Date: May 16, 2006

For: Account-Based Digital Signature (ABDS) System

**First Data Corporation** **Corporation**  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is   %

in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel   , Frame   , for which a copy thereof is attached.

**OR**

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Wheeler, et al. To: First Data Corporation  
The document was recorded in the United States Patent and Trademark Office at Reel 012067, Frame 0400, or for which a copy thereof is attached.

2. From:    To:     
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☐ Additional documents in the chain of title are listed on a supplement sheet

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is authorized and empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature: Malvern U. Griffin III

Printed Name: Malvern U. Griffin III

Date: June 13, 2008

## POWER OF ATTORNEY

The undersigned assignee of record hereby **REVOKES** any and all powers of attorney previously given in the patent applications/patents listed in the table provided below, and hereby **APPOINTS** the practitioners associated with **Customer No. 29052**, which currently includes:

Jeffrey D. Blake,	Reg. No. 58,884	K. R. Lahnstein-Bertocci, Reg. No. 53,842
Deborah K. Butler,	Reg. No. 58,353	Christina A. Ondrick, Reg. No. 46,198
Christopher J. Chan,	Reg. No. 44,070	Peter G. Pappas, Reg. No. 33,205
Jason V. Chang,	Reg. No. 58,092	David A. Reed, Reg. No. 61,226
William T. Cook,	Reg. No. 58,072	Geoff K. Rogers, Reg. No. 60,408
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Laura F. Fritts,	Reg. No. 58,749	Rhett S. White, Reg. No. 59,158
Kristin E. Goran,	Reg. No. 61,691	Robert J. Walters, Reg. No. 40,862
Malvern U. Griffin III,	Reg. No. 38,899	Daniel J. Warren, Reg. No. 34,272
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Michael I. Krause,	Reg. No. 53,157	David Wigley, Reg. No. 53,362
Elizabeth A. Lester,	Reg. No. 55,373	

to prosecute the patent applications and/or patents, and transact all business in the U.S. Patent and Trademark Office connected therewith.

APPLICATION OR PATENT NO.	DATE FILED OR ISSUED	TITLE	ATTORNEY DOCKET NO.
7,257,228	2007-08-14	Account Authority Digital Signature (AADS) System Using Encoded Information	34250-1000
7,213,748	2007-05-08	Anonymous Mailing and Shipping Transactions	34250-1087
7,200,749	2007-04-03	Method and System for Using Electronic Communications for an Electronic Contract	34250-1080
7,177,836	2007-02-13	Method And System For Facilitating Financial Transactions Between Consumers Over The Internet	34250-1122
11/673,731	2007-02-12	Method and System for Facilitating Payment of an Online Auction Transaction	34250-0953

<b>APPLICATION OR PATENT NO.</b>	<b>DATE FILED OR ISSUED</b>	<b>TITLE</b>	<b>ATTORNEY DOCKET NO.</b>
11/673,702	2007-02-12	On-line Cash Register for use in Providing a Consumer-to-Consumer Payment Service	34250-0954
7,143,284	2006-11-28	ABDS Method and Verification Status for Authenticating Entity Access	34250-1072
7,127,606	2006-10-24	Account-Based Digital Signature (ABDS) System	34250-1034
11/536,788	2006-09-29	Method For Making An Online Payment Through A Payment Enabler System	34250-1124
11/536,803	2006-09-29	Method For Requesting And Receiving An Online Payment Through A Payment Enabler System	34250-1123
7,103,570	2006-09-05	Merchant Account Activation System	34250-1017
7,096,354	2006-08-22	Central Key Authority Database in an ABDS System	34250-1047
7,089,421	2006-08-08	Sending Electronic Transaction Message, Digital Signature Derived Therefrom, and Sender Identity Information in AADS System	34250-1130
11/459,835	2006-07-25	Merchant Account Activation System	34250-1018
11/459,796	2006-07-25	Merchant Account Activation System	34250-1019
7,082,533	2006-07-25	Gauging Risk in Electronic Communications Regarding Accounts in ABDS System	34250-1048
7,047,416	2006-05-16	Account-Based Digital Signature (ABDS) System	34250-1033
7,047,414	2006-05-16	Managing Database for Reliably Identifying Information of Device Generating Digital Signatures	34250-1036
7,028,185	2006-04-11	Managing Database for Identifying to Recipients Security Features of Devices Generating Digital Signatures	34250-1132
7,010,691	2006-03-07	ABDS Method Utilizing Security Information Authenticating Entity Access	34250-1075
6,983,368	2006-01-03	Linking Public Key of Device to Information During Manufacture	34250-1060
6,981,154	2005-12-27	Account Authority Digital Signature (AADS) Accounts	34250-0998
6,978,369	2005-12-20	Person-Centric Account-Based Digital Signature System	34250-1045
6,959,381	2005-10-25	Central Key Authority (CKA) Database for User Accounts in ABDS System	34250-1039
6,957,336	2005-10-18	Establishing Initial PUK-Linked Account Database	34250-1038
6,952,773	2005-10-04	Requesting Execution of Instructions on Accounts in ABDS System	34250-1046

<b>APPLICATION OR PATENT NO.</b>	<b>DATE FILED OR ISSUED</b>	<b>TITLE</b>	<b>ATTORNEY DOCKET NO.</b>
6,950,940	2005-09-27	ABDS Method Utilizing Security Information In Authenticating Entity Access	34250-1074
6,938,156	2005-08-30	ABDS System and Verification Status for Authenticating Entity Access	34250-1073
11/161,556	2005-08-08	Providing Digital Signature and Public Key Based On Shared Knowledge	34250-1092
11/161,559	2005-08-08	Digital Signature System Based on Shared Knowledge	34250-1093
11/161,560	2005-08-08	Software For Providing Based on Shared Knowledge Public Keys Having Same Private Key	34250-1094
11/161,562	2005-08-08	Providing Cryptographic Key Based on User Input Data	34250-1095
11/161,563	2005-08-08	Generating Public-Private Key Pair Based on User Input Data	34250-1096
11/161,564	2005-08-08	Generating Digital Signatures Using Ephemeral Cryptographic Key	34250-1097
11/161,567	2005-08-08	Digital Signature Software Using Ephemeral Private Key and System	34250-1099
6,915,430	2005-07-05	Reliably Identifying Information of Device Generating Digital Signatures	34250-1035
6,892,302	2005-05-10	Incorporating Security Certificate During Manufacture of Device Generating Digital Signatures	34250-1037
6,820,199	2004-11-16	Sending Electronic Transaction Message, Digital Signature Derived Therefrom, and Sender Identity Information in AADS System	34250-0999
6,820,202	2004-11-16	Account Authority Digital Signature (AADS) System	34250-0996
6,679,489	2004-01-20	Multiple Insert Delivery Systems and Methods	34250-1032
6,654,779	2003-11-25	System and Method for Electronic Mail (E-mail) Address Management	34250-0991
10/343,618	2003-02-03	Method And Apparatus For Access Authentication Entity	34250-1071
10/248,345	2003-01-10	Anonymous Card Transactions	34250-1086
10/331,142	2002-12-27	Systems and Methods for Anonymous Payment Transactions	34250-1031
09/474,110	2002-09-27	System and Method for Anonymous Credit and Debit Card Transactions	34250-1084
10/259,190	2002-09-27	System and Method for Anonymous Credit and Debit Card Transactions	34250-1085
10/169,954	2002-07-03	Trusted Authentication Digital Signature (TADS) System	34250-1133
6,390,759	2002-05-21	Roll Card	34250-1028



<b>APPLICATION OR PATENT NO.</b>	<b>DATE FILED OR ISSUED</b>	<b>TITLE</b>	<b>ATTORNEY DOCKET NO.</b>
6,254,000	2001-07-03	System & Method for Providing a Card Transaction Authorization Fraud Warning	34250-0974
09/860,083	2001-05-17	Three Party Account Authority Digital Signature (AADS) System	34250-0997
09/737,912	2000-12-15	Online Method & System for Ordering & Having Delivered a Paper Greeting Message & Payment Instrument	34250-0957
09/614,302	2000-07-12	System and Method for Anonymous Transactions and Disguised Mailings	34250-1083
09/613,615	2000-07-11	Method For Enabling Transfer Of Funds Through A Computer Network	34250-1126
09/604,525	2000-06-27	Method For Facilitating Payment of a Computerized Transaction	34250-0958
09/552,073	2000-04-19	Cash Card	34250-1026
09/476,384	1999-12-30	Method And System For Providing Personal Merchant Accounts To Internet Consumers	34250-0955
09/476,385	1999-12-30	Method & System for Payment Transactions & Shipment Tracking Over the Internet	34250-0956
09/474,378	1999-12-29	System and Method for Anonymous Credit and Debit Card Transactions to Protect the Identities of Children	34250-1081
09/471,744	1999-12-23	System and Method for Anonymous Credit and Debit Card Transactions and Disguised Mailings of Merchandise	34250-1082
09/323,437	1999-06-01	Improved Method and System for Anonymous Transactions	34250-1091
09/294,270	1999-04-19	Improved Method and System for Anonymous Transactions	34250-1089
5,679,938	1997-10-21	Methods and Systems for Interactive Check Authorizations	34250-1024
5,679,940	1997-10-21	Transaction System with On/Off Line Risk Assessment	34250-1025
5,561,282	1996-10-01	Portable Signature Capture Pad	34250-0987
5,559,315	1996-09-24	Embossed Card Reader	34250-0979
5,479,530	1995-12-26	Signature Capturing Printer and Data Card Terminal	34250-0972
5,466,920	1995-11-14	Real Time Decoding for Card Transaction Terminal	34250-0968
5,448,047	1995-09-05	Card Validation Method Using Multiple Cord Data Regions	34250-0980
5,448,044	1995-09-05	Signature Capture Pad for Point of Sale System	34250-0986
5,438,186	1995-08-01	Multi-Reader Transaction Terminal	34250-0984

APPLICATION OR PATENT NO.	DATE FILED OR ISSUED	TITLE	ATTORNEY DOCKET NO.
5,432,326	1995-07-11	Systems and Methods for Operating Data Card Terminals for Transaction Chargeback Protection	34250-0967
5,432,327	1995-07-11	Embossed Card Reader with Floating Read Head	34250-0978
D359,952	1995-07-04	Integrated Point of Sale Terminal Card Reader and Display	34250-0988
5,428,210	1995-06-27	Data Card Terminal With Embossed Character Reader and Signature Capture	34250-0970
5,426,286	1995-06-20	Card Transaction Terminal	34250-0964
5,404,000	1995-04-04	Embossed Character Reader for Data Card Terminal	34250-0973
5,396,545	1995-03-07	Self Configuring Data Card Terminal	34250-0992
5,386,458	1995-01-31	Systems and Methods for Operating Data Card Terminals for Transaction Authorization	34250-1127
5,369,263	1994-11-29	Embossed Card Reader	34250-0977
5,362,952	1994-11-08	Card Transaction Terminal	34250-0963
5,357,563	1994-10-18	Data Card Terminal For Receiving Authorization From Remote Locations	34250-0993
5,334,823	1994-08-02	Systems and Methods for Operating Data Card Terminals for Transaction Chargeback Protection	34250-0965
D338,876	1993-08-31	Data Card Transaction Terminal	34250-0976

Date: May 1, 2008

Steve F. Stratman

Signature

Steve F. Stratman

Name

Deputy General Counsel

Title

First Data Corporation

Company